

Raw Sequence Listing Error Summary

#2

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER:

09/205,500

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid-number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) . Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223>
sections for Artificial or Unknown sequences.
- 8 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X:
 (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
 This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
(NEW RULES) <210> sequence id number
 <400> sequence id number
 000
- 10 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of <213>Organism Sequence(s) are missing this mandatory field or its response.
(NEW RULES)
- 12 Use of <220>Feature Sequence(s) are missing the <220>Feature and associated headings.
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/705,500

DATE: 11/21/2000
 TIME: 17:22:45

Input Set : A:\Dex-871.app
 Output Set: N:\CRF3\11212000\I705500.raw

Does Not Comply
 Corrected Diskette Needed

P.2

BEST AVAILABLE COPY

```

3 <110> APPLICANT: Recipon, Herve
4   Macina, Roberto A.
5   Chen, Sei-Yu
6   Sun, Yongming
8 <120> TITLE OF INVENTION: A Novel Method of Diagnosing, Monitoring, Staging,
9   Imaging and Treating Cancer
11 <130> FILE REFERENCE: DEX-0087
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/705,500
C--> 14 <141> CURRENT FILING DATE: 2000-11-03
16 <150> PRIOR APPLICATION NUMBER: 60/163,444
17 <151> PRIOR FILING DATE: 1999-11-04
19 <160> NUMBER OF SEQ ID NOS: 5
21 <170> SOFTWARE: PatentIn Ver. 2.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 503
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
28 <400> SEQUENCE: 1
29 ctatatatgt atctacaata catatatcta cacatacaga aagaagcagt tctcacaatg 60
30 ttgctagttt ttgtctctc tttccccac cctactccct ccaattcccc cttaaacttc 120
31 caaagcttcg tcttggtttt gctgcagagt gattcggggg ctgacctaga ccagtttgca 180
32 tgattcttct cttgtgattt ggttgcaatt tagacatttt tgtgccatta tatttgcaat 240
33 atgtatttat aatttaaatg atatttaggt ttttggtga gtactggaat aaacagtgag 300
34 catatctggt atatgtcatt atttattgtt aaattacatt ttttaagctcc atgtgcata 360
35 aaaggttatg aaacatatca tggtaatgac agatgcaagt tattttatgt gcttattttt 420
36 ataattaaag atgccatagc ataatatgaa gcctttggtg aattccttct aagataaaaa 480
37 taataataaa gtgttacggt tta                                     503
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 3762
42 <212> TYPE: DNA
43 <213> ORGANISM: Homo sapiens
45 <400> SEQUENCE: 2
46 ggtggcagca gcagcatcac acgtaacaac aacaaaaaaaa aatcctcacc aaatcctcac 60
47 ctaagctttc agtgtatcca gatccacatc ttcaactcaag ccaggagagg gaaagaggaa 120
48 agggggggcag gaaaaaaaaa aaacccaaca acttagcgga aacttctcag agaattgtcc 180
49 aaaactcagc agtgcttctg gtgctggtga tcagtgtctc tgcaacctat gaggcggagc 240
50 agaattgactc tgtgagcccc aggaaatccc gagtgcgggc tcaaaactca gctgaagtgg 300
51 ttcgttgctc caacagtgtc ctacaggtcg gctgcggggc ttttgcatgc ctggaaaaact 360
52 ccacctgtga cacagatggg atgtatgaca tctgtaaatc cttcttgtac aqcgctgcta 420
53 aattttgacac tcaggggaaa gcattcgtca aagagagctt aaaaatgcac gccaacgggg 480
54 tcacctccaa ggtcttcctc gccattcgga ggtgctccac ttccaaaagg atgattgctg 540
55 aggtgcagga agagtgctac agcaagctga atgtgtgcag catcgccaag cggaaacctg 600
56 aagccatcac tgaggtcgtc cagctgcca atcaacttct caacagatac tataacagac 660
57 ttgtccgaag cctgctggaa tgtgatgaag acacagtcag cacaatcaga gacagcctga 720
58 tggagaaaaa tgggcctaac atggccagcc tcttccacat cctgcagaca gacctgtg 780
59 cccaaacaca cccacgagct gacttcaaca ggagacgcac caatgagccg cagaagctga 840
60 aagtctctct caggaacctc cgaggtgagg aggaactctc cteccacatc aaacgcacat 900

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/705,500

DATE: 11/21/2000

TIME: 17:22:45

Input Set : A:\Dex-871.app

Output Set: N:\CRF3\11212000\I705500.raw

```

61 cccatgagag tgcataacca gggagaggtt attcacaacc tcaccaaaact aglatcattt 960
62 taggggtgtt gacacaccag ttttgagttt actgtgcctg gtttgatttt tttaaagtag 1020
63 ttctattttt ctatccccc taaaqaaaat tgcataaaac taggcttctg taatcaatat 1080
64 cccaacattc tgcattgcca gcatteccac caacaaaatc catgtgacca ttctgcctct 1140
65 cctcaggaga aagtaccctc ttttaccacac ttctctgccc atgtttttcc cctgctcccc 1200
66 tgagaccacc cccaacaca aaacattcat gtaactctcc agccattgta atttgaagat 1260
67 gtggtccctt ttgaagcgtt tgcctccagt gagttagctg ataaqnaaac tttattttaa 1320
68 tgcatgtctt aatgtctcat aaagatgtta aatggaattc gtgttatgaa tctgtgctgg 1380
69 ccatggagca atatgaatgt cacatttgaa ttcttgatct ctaatgagct agtgtcttat 1440
70 ggtcttgatc ctccaatgtc taattttctt tccgcacatc ttaccaaatg gcttgagcct 1500
71 ggtgttccaa ccagactttg agcctgcac tctttgcac taatgaaaaa caaaaagcta 1560
72 acatctttac tgcctgtaac tgcctcagagc tttaaaagta tcttttaaca ttgtcttaaa 1620
73 accagagaaat cttaaagttc aactgtggaa tataaatagc tgaaaactaa tgtactgtac 1680
74 ataaattcca gaggactctg cttaaacaaa gcagtatata ataactttat tgcataatga 1740
75 tttagttttg taactttgct ttatttttct ttctctggga atggaataac tatctcaact 1800
76 ccaqatatcc acataaatgc tcttctgtgc cttttttata actaaggggg tagaagtagt 1860
77 ttttaattcaa catcaaaact taagatgggc ctgtatgaga caggaaaaac caacagggtt 1920
78 atctgaagga ccccaagtaa gatgttaate tcccagccca cctcaaccca gaggtacttc 1980
79 ttgacttaga cctatactga aagatctctg tcacatccaa ctggaatttc caggaaacca 2040
80 aaagagcacc ctatgggctt ggaccactta cagtgtgata agcctactta tacattagga 2100
81 agtggcagtt cttactcgt cccctttcat cgggtgcctg tactctggca aatgatgatg 2160
82 ggttgggaga ctttccattt aatcaatcag gaatgagtea atcagccttt aggtctttag 2220
83 tccgggggac ttggggctga gagagtataa ataaccctgg gctgtccagc cttaatagac 2280
84 ttctcttaca ttttctctct gtacacgctt gcttgcctaa gtactcctgg cagctggacc 2340
W--> 85 atctctgtag gatcgtaaaa aaatagaaa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 2400
W--> 86 nnnnnntggg ggttgatcat ttctgccatg atgtttacaa gatggcgacc accaagtcca 2460
87 aacgactaac ctatctatga acaacagtag tttctcaggg tcaactgtct tgaaccacac 2520
88 agtcccttat gagcgtcact gcccacaaaa ggtcaatgtc aagagaggaa gagaggagg 2580
89 aggggttaga ctgcaggggc cactccaaac tgccttaggt agaaactatt ggtgcttgac 2640
90 tctcactagg ctaaaactca gatttgacca aatcgagtga tagggactct ggtgggagga 2700
91 gagaggcac atctccagaa aaatgaaaaa caatgaaact ttaccataaa gcttttaaaa 2760
W--> 92 ccagttaact gctgtcagg gaccaagagc aattnnnnnn nnnnnnnnnn nnnnnnnnnn 2820
W--> 93 nnnnncaaaa ttgctgcttt tgtcccccac cagctcttaa gctgtgtgac atcagattgt 2880
94 taagggcatt tttatactca gaactgtccc atccccaggt ccccaaaact atggacactg 2940
95 ccttagcctc ttggaaatca ggtagaccat attctaagtt agactcttcc cctccctccc 3000
96 aacttccca ccccaggca agcctgactt ctctgaatca gaaaagctat taaagtttgt 3060
97 gtgttgtgtc cattttgcaa acccaactaa gccaggaccc caatggcaca agtagttcat 3120
W--> 98 gattattcct agcaaaattc tctctttctt cagttcagta gatttctttt tttctttct 3180
W--> 99 nttttttttt ntttttttgg ctgtgacctc ttcaaacctg ggtaccccc cttttctccc 3240
100 cagatgata tctatatatg tatctacaat acatatatct acacatacag aaagaagcag 3300
101 ttctcacaat gttgtagtt ttttgcctct ctttccccc cctactccc tccaattccc 3360
102 ccttaaaact ccaaagcttc gctttgtgtt tgcctcagag tgaatcgggg gctgaacctag 3420
103 accagtttgc atgattcttc tcttggtatt tggttgact ttgacatttt ttgtgccatt 3480
104 atatttgcat tatgtattta taatttaaat gatatttagg tttttggctg agtactggaa 3540
105 taaacagtga gcatatctgg tatatgtcat tatttattgt taaattacat ttttaagctc 3600
106 catgtgcata taaaggttat gaaacatata atggtaatga cagatgcaag ttattttatt 3660
107 tcttattttt tataattaaa gatgccatag cataatatga agccttttgt gaattccttc 3720
108 taagataaaa ataataataa agtgttaact tttattggtt tc 3762
111 <210> SEQ ID NO: 3

```

See Item 10
on Enva
Summary Sheet

BEST AVAILABLE COPY

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/705,500

DATE: 11/21/2000

TIME: 17:22:45

Input Set : A:\Dex-871.app

Output Set: N:\CRF3\11212000\I705500.raw

```

112 <211> LENGTH: 247
113 <212> TYPE: PRT
114 <213> ORGANISM: Homo sapiens
116 <400> SEQUENCE: 3
117 Met Leu Gln Asn Ser Ala Val Leu Leu Val Leu Val Ile Ser Ala Ser
118 1 5 10 15
120 Ala Thr His Glu Ala Glu Gln Asn Asp Ser Val Ser Pro Arg Lys Ser
121 20 25 30
123 Arg Val Ala Ala Gln Asn Ser Ala Glu Val Val Arg Cys Leu Asn Ser
124 35 40 45
126 Ala Leu Gln Val Gly Cys Gly Ala Phe Ala Cys Leu Glu Asn Ser Thr
127 50 55 60
129 Cys Asp Thr Asp Gly Met Tyr Asp Ile Cys Lys Ser Phe Leu Tyr Ser
130 65 70 75 80
132 Ala Ala Lys Phe Asp Thr Gln Gly Lys Ala Phe Val Lys Glu Ser Leu
133 85 90 95
135 Lys Cys Ile Ala Asn Gly Val Thr Ser Lys Val Phe Leu Ala Ile Arg
136 100 105 110
138 Arg Cys Ser Thr Phe Gln Arg Met Ile Ala Glu Val Gln Glu Cys
139 115 120 125
141 Tyr Ser Lys Leu Asn Val Cys Ser Ile Ala Lys Arg Asn Pro Glu Ala
142 130 135 140
144 Ile Thr Glu Val Val Gln Leu Pro Asn His Phe Ser Asn Arg Tyr Tyr
145 145 150 155 160
147 Asn Arg Leu Val Arg Ser Leu Leu Glu Cys Asp Glu Asp Thr Val Ser
148 165 170 175
150 Thr Ile Arg Asp Ser Leu Met Glu Lys Ile Gly Pro Asn Met Ala Ser
151 180 185 190
153 Leu Phe His Ile Leu Gln Thr Asp His Cys Ala Gln Thr His Pro Arg
154 195 200 205
156 Ala Asp Phe Asn Arg Arg Thr Asn Glu Pro Gln Lys Leu Lys Val
157 210 215 220
159 Leu Leu Arg Asn Leu Arg Gly Glu Glu Asp Ser Pro Ser His Ile Lys
160 225 230 235 240
162 Arg Thr Ser His Glu Ser Ala
163 245
166 <210> SEQ ID NO: 4
167 <211> LENGTH: 20
168 <212> TYPE: DNA
169 <213> ORGANISM: Homo sapiens
171 <400> SEQUENCE: 4
172 tctaggtcag cccccgaatc 20
175 <210> SEQ ID NO: 5
176 <211> LENGTH: 22
177 <212> TYPE: DNA
178 <213> ORGANISM: Homo sapiens
180 <400> SEQUENCE: 5
181 cctccaattc ccccttaaac tt 22

```

BEST AVAILABLE COPY

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/705,500

DATE: 11/21/2000

TIME: 17:22:46

Input Set : A:\Dex-871.app

Output Set: N:\CRF3\11212000\I705500.raw

L:13 M:270 C: Current Application Number differs, Replaced Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:85 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:85 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:85 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:85 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:85 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2
L:86 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:86 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:86 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:86 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
M:340 Repeated in SeqNo=2
L:92 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:92 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:92 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:92 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:93 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:93 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:93 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:93 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:98 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:98 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:98 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:98 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:99 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:99 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:99 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:99 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2

BEST AVAILABLE COPY